

Docket No. 243134US3/phh



TRU

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yasuo MANABE, et al.

SERIAL NO: 10/675,970

GAU: 1742

FILED: October 2, 2003

EXAMINER:

FOR: METHOD FOR REFORMING A1 ALLOY CASTINGS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.


C. Irvin McClelland

Registration No. 21,124

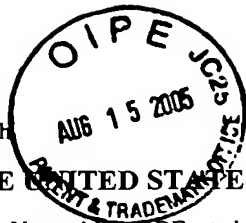
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FOR: METHOD FOR REFORMING A1 ALLOY CASTINGS

STATEMENT OF RELEVANCY**Reference AA (US 6,524,409 B2) on Form PTO-1449:**

Equivalent of Japanese Pat. JP-A-2001-262295 (2001). This document does not disclose aging treatment.

Reference AO (JP 11-57965) on Form PTO-1449:

Problem to be solved: To provide a test casting for an aluminum alloy casting having mechanical property similar to a metallic mold casting and particularly excellent toughness in nearly the same delivery time as by an ordinary sand mold casting, used for car parts of aluminum wheel, suspension device parts, etc.

Solution: In the producing method of this aluminum alloy casting in the sand mold, a position having high heat conductivity formed with the granular metals in a part or all of at least mold cavity, is arranged. After casting a member by pouring the molten metal into this mold and solidifying, the cast member is passed in such sufficient pressure that defect existing in the casting is compressed at the pressing temp. And thereafter, a T6 treatment is applied. The aluminum alloy casting having a composition containing, by wt.% 4-10% Si, 0.2-0.7% Mg, <0.2% Fe, 0-<6% Cu is used. A value of the strength index $[3 \times \text{tensile strength (MPa)} + 40 \times \text{elongation (\%)}]$ in the mechanical property of the aluminum alloy casting solidified by contacting with the high heat conductivity position in the sand mold, is greater than or equal to 1000. After casting, a treatment for plastic work is applied to a part or all of the casting surface.

Reference AB (US 4,582,681) on Form PTO-1449:

Equivalent of Japanese Pat. JP-A-SHO-58-71301 (1983)

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 243134US3		SERIAL NO. 10/675,970	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Yasuo MANABE, et al.			
				FILING DATE October 2, 2003		GROUP 1742	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,524,409 B2	02/25/2003	Stefano BARONE, et al.			
	AB	4,582,681	04/15/1986	Akira ASARI, et al.			
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO	11-57965	03/02/1999	JAPAN		X	
	AP	2001-262295	09/26/2001	JAPAN (corr. US 6,524,409 B2)		X	
	AQ	58-71301	04/28/1983	JAPAN (corr. US 4,582,681)		X	
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW						
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							